

Claims

1. An axial piston machine (1) having a swash plate (12) and a control piston (18) which contacts the swash plate (12) by way of a slide block (31) which is partially received by the swash plate (12) or the control piston (18) and can be inclined at least in a direction relative to the swash plate (12) or the control piston (18) and which can be inserted through an opening into a cutout (80) constructed in the swash plate (12) or the control piston (18), the slide block (31) being fixed in the cutout (80) by fixing regions (83) constructed in the cutout (80), **characterised in that**, provided in the swash plate (12) or the control piston (18), there is a resilient element (86, 91) which acts on the slide block (31) with a force directed towards the regions (83) fixing the slide block (31).
2. An axial piston machine according to Claim 1, **characterised in that** the resilient element (86, 91) is inserted into a receiving cutout (85, 90) arranged on the side opposite the opening.
3. An axial piston machine according to Claim 1 or 2, **characterised in that** the resilient element (86) is a pressure spring.
4. An axial piston machine according to Claim 1 or 2, **characterised in that** the resilient element (91) is a spring washer.

5. An axial piston machine according to one of Claims 1 to 3,

characterised in that

a spacer (88) is arranged between the resilient element
5 (86) and the slide block (31).

6. An axial piston machine according to one of Claims 1 to 5,

characterised in that

10 the slide block (31) and the cutout (80) have a spherical geometry with a common centre point (M) and the cutout (80) forms a relief cut in the swash plate (12) or the control piston (18).

15 7. An axial piston machine according to Claim 6,

characterised in that

the fixing regions (83) are formed by the relief cut of the cutout (80).